



PATENT  
Docket No. 290.00100101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Kinch et al.	)	Group Art Unit:	1642
		)		
Serial No.:	09/640,935	)	Examiner:	Misook YU
		)		
Filed:	17 August 2000	)	Confirmation No.:	3254
		)		
For:	EPHA2 AS A THERAPEUTIC TARGET FOR METASTATIC CANCER (As Amended)			

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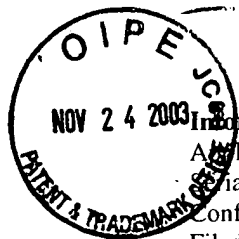
**INFORMATION DISCLOSURE STATEMENT**

MAIL STOP RCE  
Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the following pending U.S. Applications, as well as any documents, Office Actions that may include rejections of similar claims, and any provisional U.S. patent applications referenced in the pending U.S. applications or in their file wrappers. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.



# Information Disclosure Statement

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## List of Pending Non-Published U.S. Patent Applications

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Kinch et al.	09/640,952	08/17/00	60/149,259

It is believed that no fee is due, as this Information Disclosure Statement is filed with a Request for Continued Examination. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

### CERTIFICATE UNDER 37 C.F.R. 1.10:

The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to the Mail Stop RCE, Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date of Deposit: 24 November 2003

Respectfully submitted for

PURDUE RESEARCH FOUNDATION

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**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,472,371	9/1984	Burchiel et al.			
	4,704,692	11/03/1987	Ladner			
	4,816,567	03/28/89	Cabilly et al.			
	5,001,225	3/1991	Taylor			
	5,585,089	12/1996	Queen et al.			
	5,824,303	10/20/98	Bartley et al.			
	US 2001/0031252	10/18/01	Low et al.			

**FOREIGN PATENT DOCUMENTS**

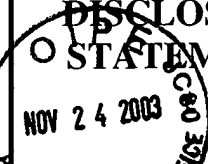
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 94/29348	12/22/94	PCT				
	WO 98/43960	10/05/98	PCT				
	WO 00/30673	06/03/00	PCT				
	WO 01/12840 A2	02/22/01	PCT				
	WO 01/12172 A1	02/22/01	PCT				

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Document Description
	Aasheim et al. "A splice variant of human ephrin-A4 encodes a soluble molecule that is secreted by activated human B lymphocytes." <i>Blood</i> . 2000;95(1):221-30.
	Abrahmsen et al., "Engineering Subtilisin and Its Substrates for Efficient Ligation of Peptide Bonds in Aqueous Solution," <i>Biochemistry</i> , 1991;30:4151-4159.
	Andres et al., "Expression of two novel <i>eph</i> -related receptor protein tyrosine kinases in mammary gland development and carcinogenesis," <i>Oncogene</i> , 1994; 9:1463-1467.


**EXAMINER****Date Considered**

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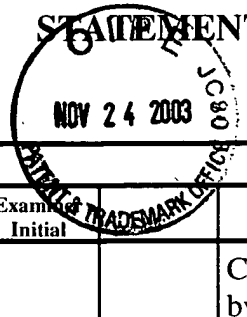
Examiner Initial	Document Description
	Angrist et al. "Chromosomal Localization of the Mouse Src-like Adapter Protein (Slap) Gene and Its putative Human Homolog SLA, <i>Genomics</i> 1995;30:623-625.
	Baggiolini et al., "Interleukin-8, a chemotactic and inflammatory cytokine," <i>FEBS Lett.</i> , 1992; 307(1):97-101.
	Baggiolini et al. "Interleukin-8 and the Chemokine Family" <i>Int. J. Immunopharmac</i> 1995;17(2):103-108
	Behrens et al., "Cell-cell adhesion in invasion and metastasis of carcinomas," <i>Cancer Treat. Res.</i> , 1994; 71:251-266.
	Biervert et al. "Semiquantitative expression analysis of ephrine-receptor tyrosine kinase mRNA's in a rat model of traumatic brain injury." <i>Neurosci Lett.</i> 2001;315(1-2):25-8.
	Blanco et al. "Expression of EphA receptors and ligands during chick cerebellar development." <i>Mech Dev.</i> 2002;114(1-2):225-9.
	Bodansky et al., Ed., <i>Principles of Peptide Synthesis</i> , Springer-Verlag Inc., NY, 1993, Cover pg., Publication pg., and Table of Contents.
	Boerner et al. "Production of antigen-Specific Human Monoclonal Antibodies from in vitro-primed Human Splenocytes", <i>J. Immunol.</i> , 1991; 147(1):86-95.
	Bohme et al. "PCR mediated detection of a new human receptor-tyrosine-kinase, HEK 2." <i>Oncogene</i> . 1993;8(10):2857-62.
	Bovenkamp et al. "Degenerate PCR-based cloning method for Eph receptors and analysis of their expression in the developing murine central nervous system and vasculature" <i>DNA Cell Biol.</i> 2001;20(4):203-13.
	Brady-Kalnay et al., "Dynamic Interaction of PTP $\mu$ with Multiple Cadherins In Vivo" <i>J. Cell Biol.</i> , 1998; 141:287-296.
	Brantley et al. "Soluble Eph A receptors inhibit tumor angiogenesis and progression in vivo." <i>Oncogene</i> . 2002;21(46):7011-26.
	Brodeur et al. "Mouse-Human Myeloma Partners for the Production of Heterohybridomas, <i>Monoclonal Antibody Production Techniques and Application</i> 1987:51-63.
	Bruggemann et al., "Designer mice: the production of human antibody repertoires in transgenic animals" <i>Year Immunol.</i> 1993;7:33-40.

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	Burridge et al., "Focal adhesions: transmembrane junctions between the extracellular matrix and the cytoskeleton," <i>Annu. Rev. Cell Dev. Biol.</i> , 1988; 4:487-525.
	Burridge et al., "Focal adhesions, contractility, and signaling," <i>Annu. Rev. Cell Dev. Biol.</i> , 1996; 12:463-518.
	Carles-Kinch "Antibody Targeting of the EphA2 Tyrosine Kinase Inhibits Malignant Cell Behavior," <i>Cancer Research</i> 2002;62:2840-2847.
	Carter et al. "EphrinA1-induced cytoskeletal re-organization requires FAK and p130(cas)." <i>Nat Cell Biol.</i> 2002;4(8):565-73.
	Carter et al., "Humanization of an anti-p185 <sup>HER2</sup> antibody for human cancer therapy," <i>Proc. Natl. Acad. Sci. USA</i> , 1992;89:4285-4289.
	Chen et al. "An enhancer element in the EphA2 (Eck) gene sufficient for rhombomere-specific expression is activated by HOXA1 and HOXB1 homeobox proteins." <i>J Biol Chem.</i> 1998;273(38):24670-5.
	Chen et al. "Germ-line inactivation of the murine Eck receptor tyrosine kinase by gene trap retroviral insertion." <i>Oncogene</i> 1996;12(5):979-88.
	Chen et al., "Integrin-mediated cell adhesion activates mitogen-activated protein kinases," <i>J. Biol. Chem.</i> , 1994;269:26002-26005.
	Cheng et al. "Blockade of EphA Receptor Tyrosine Kinase Activation Inhibits Vascular Endothelial Cell Growth Factor-Induced Angiogenesis." <i>Mol Cancer Res.</i> 2002;1(1):2-11.
	Chothia et al., "Canonical Structures for the Hypervariable Regions of Immunoglobulins," <i>J. Mol. Biol.</i> , 1987;196:901-917.
	Clark et al. "Aberrant function of the Ras signal transduction pathway in human breast cancer" <i>Breast Cancer Res. Treat.</i> 1995;35(1):133-144.
	Clark et al., "The Ras-related protein Fheb is farnesylated and antagonizes Ras signaling and transformation," <i>J. Biol. Chem.</i> , 1997; 272:10608-10615.
	Clark-Lewis et al. "Chemical Synthesis, Purification, and Characterization of Two Inflammatory Proteins, Neutrophil Activating Peptide 1 (Interleukin-8) and Neutrophil Activating Peptide 2, <i>Biochemistry</i> 1991;30:3128-3135.

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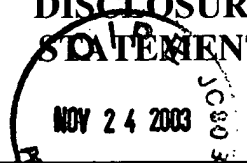
Examiner Initial	Document Description
	Clark-Lewis et al. "Structural Requirements for Interleukin-8 Function Identified by Design of Analogs and CXC Chemokine Hybrids, <i>J. Biol. Chem.</i> , 1994;269:16075-16081.
	Cole et al., <i>Monoclonal Antibodies and Cancer Therapy</i> , Alan R. Liss, 1985, p. 77.
	Connor et al. "Expression and tyrosine phosphorylation of Eph receptors suggest multiple mechanisms in patterning of the visual system." <i>Dev Biol.</i> 1998;193(1):21-35.
	D'Amico "Predicting the Sites of Metastasis Form Lung Cancer Using Molecular Biologic Markets" <i>Ann. Thorac. Surg.</i> 2001;72:1144-8.
	Dawson et al., "Synthesis of Proteins by Native Chemical Ligation," <i>Science</i> , 1994;266:776-779.
	deLisle et al., <i>Techniques in Protein Chemistry IV</i> , Academic Press, New York, 1992, pp. 257-267.
	Dohn et al. "Receptor tyrosine kinase EphA2 is regulated by p53-family proteins and induces apoptosis." <i>Oncogene</i> . 2001;20(45):6503-15.
	Easty et al., "Novel and Known Protein Tyrosine Kinases and Their Abnormal Expression in Human Melanoma," <i>J. of Investigative Dermatology</i> , 1993;101:679-684.
	Easty et al., "Protein B61 as a New Growth Factor: Expression of B61 and Up-Regulation of Its Receptor Epithelial Cell Kinase during Melanoma Progression," <i>Cancer Research</i> , 1995;55:2528-2532.
	Easty et al., "Protein tyrosine kinases in malignant melanoma," <i>Melanoma Research</i> , 2000;10:401-411.
	Easty et al. "Up-regulation of ephrin-A1 during melanoma progression." <i>Int J Cancer</i> . 1999;84(5):494-501.
	Fenrick "TEL, a Putative Tumor Suppressor, Modulates Cell Growth and Cell Morphology of Ras-Transformed Cells While Repressing the Transcription of <i>stromelysin-1</i> " <i>Molecular and Cellular Biology</i> 2000;20(6):5828-5839.
	Ferrone et al., eds., <i>Handbook of Monoclonal Antibodies</i> , Nokes Publications, Park Ridge, N.J., 1985. Chapter 22 and 303-357.

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	Foulkes et al. "Purification and characterization of a protein-tyrosine kinase encoded by the Abelson murine leukemia virus <i>J. Biol. Chem.</i> 1985; 260:8070-8077.
	Gale et al., "Eph receptors and ligands comprise two major specificity subclasses and are reciprocally compartmentalized during embryogenesis," <i>Neuron</i> , 1996;17:9-19.
	Ganju et al. "The Eck receptor tyrosine kinase is implicated in pattern formation during gastrulation, hindbrain segmentation and limb development." <i>Oncogene</i> . 1994;9(6):1613-24.
	Geiger et al., "Cadherins," <i>Annu. Rev. Cell Biol.</i> , 1992;8:307-332.
	George et al., "The VAB-1 Eph receptor tyrosine kinase functions in neural and epithelial morphogenesis in <i>C. Elegans</i> ," <i>Cell</i> , 1998; 92:633-643.
	Genzyme-Techne Corporation, Recombinant Mouse Ephrin-A1/Fc, Catalog Number: 3602, March 11, 2003.
	Grant, <i>Synthetic Peptides: A User Guide</i> , W.H. Freeman and Co., N.Y., 1992, Cover pg., Publication pg., and Table of Contents only
	Goding, <i>Monoclonal Antibodies: Principles and Practice</i> , Academic Press, 1986, pp. 59-103.
	Gussow et al. "Humanization of monoclonal antibodies" <i>Methods Enzymol.</i> 1991;203:99-121.
	Harlow et al., <i>Antibodies, A Laboratory Manual</i> , Cold Spring Harbor Publications, New York, 1988.
	Hein, "Regulation of Cell Signaling Induced by the Cell Adhesion Molecule, E-Cadherin," Ph.D. Thesis, Purdue University; 94 pgs., Cover Date August 1999.
	Helbling et al. "Requirement for EphA receptor signaling in the segregation of <i>Xenopus</i> third and fourth arch neural crest cells." <i>Mech Dev.</i> 1998;78(1-2):63-79.
	Henkeneyer et al., "Nuk controls pathfinding of commissural axons in the mammalian central nervous system," <i>Cell</i> , 1996; 86:35-46.
	Hess et al., "Molecular regulation of tumor cell vasculogenic mimicry by tyrosine phosphorylation: Role of epithelial cell kinase (ECK/EphA2)," <i>Cancer Res.</i> , 2001; 61:3250-3255.


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	Hoogenboom et al., "By-passing Immunisation Human Antibodies from Syntheti Repertoires of Germline V <sub>H</sub> Gene Segments Rearranged <i>in Vitro</i> " <i>J. Mol. Biol.</i> , 1991;227:381-388.
	Hunter et al. "Novel receptor protein-tyrosine kinases" <i>Adv Second Messenger Phosphoprotein Res.</i> 1990;24:260-5.
	Hunter et al. "Receptor protein tyrosine kinases and phosphatases." <i>Cold Spring Harb Symp Quant Biol.</i> 1992;57:25-41.
	Hutchcroft, "B lymphocyte activation is accompanied by phosphorylation of a 72-kDa protein-tyrosine kinase," <i>J. Biol. Chem.</i> , 1991;266:2595-14849.
	Jakobovits et al., "Analysis of homozygous mutant chemeric mice: Delection of the immunoglobulin heav-chain joining region blocks B-cell development and antibody production" <i>Proc. Natl. Acad. Sci. USA</i> , 1993; 90:2551-2555.
	Jakobovits et al., "Germ-like transmission and expression of a human-derived yeast artificial chromosome" <i>Nature</i> , 1993;362:255-258.
	Jones, "Replacing the complementarity-determining regions in a human antibody with those from a mouse" <i>Nature</i> 1986;321:522-525.
	Kabat et al., "Sequences of Proteins of Immunological Interest," <i>National Institutes of Health</i> , Bethesda, Md. 1987.
	Karam et al. "EphA4 is not required for Purkinje cell compartmentation. <i>Brain Res Dev Brain Res.</i> " 2002;135(1-2):29-38.
	Kahn et al. "Immunohistochemical Localization of Epidermal and Mallory Body Cytokeratin in Undifferentiated Epithelial Tumors" <i>American Journal of Clinical Pathology</i> 1984;84:184-191.
	Khosravi-Far et al. "Activation of Rac1, RhoA, and Mitogen-Activated Protein Kinases Is Required for Ras Transformation" <i>Molecular and Cellular Biology</i> 1995;15(11)6443-6453.
	Kikawa et al. "Regulation of the EphA2 kinase by the low molecular weight tyrosine phosphatase induces transformation." <i>J Biol Chem.</i> 2002;277(42):39274-9.
	Kinch et al., "Altered adhesions in ras-transformed breast epitheilal cells," <i>Biochem. Soc. Trans.</i> , 1995;23:446-450.

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	Kinch et al., "Analysis of cell migration," <i>Cytometry</i> , Darzynkiewicz et al., Eds., 3 <sup>rd</sup> Ed., Academic Press, San Diego, CA, 2000.
	Kinch et al., "Cell adhesion mediated by CD4 and MHC class II proteins requires active cellular processes," <i>J. Immunol.</i> , 1993; 151:4552-4561.
	Kinch et al., "Cytometric analysis of cell contact and adhesion," <i>Cytometry</i> , Darzynkiewicz et al., Eds., 3 <sup>rd</sup> Ed. Academic Press, San Diego, CA, 2000.
	Kinch et al. "E-cadherin engagement stimulates tyrosine phosphorylation" <i>Cell Adhes. Commun.</i> 1997;4:425-437.
	Kinch et al. "Overexpression and functional alterations of the EphA2 tyrosine kinase in cancer" <i>Clinical &amp; Experimental Metastasis</i> 2003;20:59-68.
	Kinch et al "Predictive Value of the EphA2 Receptor Tyrosine Kinase in Lung Cancer Recurrence and Survival" <i>Clin Cancer Res.</i> 2003;9(2):613-8.
	Kinch et al., "The protein tyrosine kinase p56 <sup>lck</sup> regulates cell adhesion mediated by CD4 and MHC class II proteins," <i>J. Exp Med.</i> , 1994; 180:1729-1739.
	Kirk et al., "The human anti-porcine cell mediated response: In vitro studies of function and molecular interaction," <i>Transplant</i> , 1993; 55(4):924-931.
	Kohler et al. "Continuous culture of fused cells secreting antibody of predefined specificity" <i>Nature</i> 1975;256:495-497.
	Koolpe et al. "An ephrin mimetic peptide that selectively targets the EphA2 receptor." <i>J Biol Chem.</i> 2002;277(49):46974-9.
	Kozbor et al., "A Human Hybrid Myeloma for Production of Human Monoclonal Antibodies," <i>J. Immunol.</i> , 1984; 133:3001-3005.
	Kratchmarova et al. "Characterization of promoter region and genomic structure of the murine and human genes encoding Src like adapter protein." <i>Gene.</i> 2001;262(1-2):267-73.
	Lai et al. "Expression of Eph receptors in skeletal muscle and their localization at the neuromuscular junction." <i>Mol Cell Neurosci.</i> 2001;17(6):1034-47.
	Lickliter et al. "Embryonic stem cells express multiple Eph-subfamily receptor tyrosine kinases." <i>Proc Natl Acad Sci U S A.</i> 1996;93(1):145-50.

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	Marks et al. "By-passing immunization. Human antibodies from V-gene libraries displayed on phage." <i>J Mol Biol.</i> 1991;222(3):581-97.
	Maru et al., "Overexpression confers an oncogenic potential upon the <i>eph</i> gene," <i>Oncogene</i> , 1990;5:445-447.
	McBride et al. "Ephrin-A1 is expressed at sites of vascular development in the mouse" <i>Mech Dev.</i> 1998;77(2):201-4. Abstract Only.
	McLaughlin "Functional consequences of coincident expression of EphA receptors and ephrin-A ligands." <i>Neuron.</i> 1999;22(4):636-9.
	Michael et al. "Efficient gene-specific expression of cre recombinase in the mouse embryo by targeted insertion of a novel IRES-Cre cassette into endogenous loci." <i>Mech Dev.</i> 1999;85(1-2):35-47.
	Miller et al., "The engagement of $\beta_1$ integrins on promonocytic cells promotes phosphorylation of Syk and formation of a protein complex containing Lyn and $\beta_1$ integrin," <i>Eur. J. Immuno.</i> , 1999;29:1426-1434.
	Miyazaki et al. "EphA2 overexpression correlates with poor prognosis in esophageal squamous cell carcinoma." <i>Int J Cancer.</i> 2003;103(5):657-63.
	Morrison et al., "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci. USA</i> , 1984;81:6851-6855.
	Munson et al., "LIGAND: A Versatile Computerized Approach for Characterization of Ligand-Binding Systems," <i>Anal. Biochem.</i> , 1980;107:220-239.
	Murphy et al., "Epidermal growth factor gene expression in human breast cancer cells: regulation of expression by progestins," <i>Cancer Res.</i> , 1988; 48:4555-4560.
	Nakamoto et al. "Diverse roles for the Eph family of receptor tyrosine kinases in carcinogenesis." <i>Microsc Res Tech.</i> 2002;59(1):58-67.
	Naruse-Nakajima et al. "Involvement of EphA2 in the formation of the tail notochord via interaction with ephrinA1." <i>Mech Dev.</i> 2001;102(1-2):95-105.
	NCBI Locus Link search for "B61" performed Nov. 24, 2003. <a href="http://www.ncbi.nlm.nih.gov/LocusLink/list.cgi">Http://www.ncbi.nlm.nih.gov/LocusLink/list.cgi</a>
	New England Biolabs Product Catalog, 1996, p. 164.

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Examiner Initials	Document Description
	Nemoto et al., "Overexpression of Protein Tyrosine Kinases in Human Esophageal Cancer," <i>Pathobiology</i> , 1997;65:195-203.
	Nishida et al. "Domain-specific olivocerebellar projection regulated by the EphA-ephrin-A interaction" <i>Development</i> . 2002;129(24):5647-58.
	Nose et al., "Expressed recombinant cadherins mediate cell sorting in model systems," <i>Cell</i> , 1988;54:993-1001.
	Nowakowski et al. "Structures of the Cancer-Related Aurora-A, FAK, and EphA2 Protein Kinases from Nanovolume Crystallography." <i>Structure</i> 2002;10(12):1659-67.
	O'Brien et al., "A mechanism for trabecular meshwork cell retraction: Ethacrynic acid initiates the dephosphorylation of focal adhesion proteins," <i>Exp. Eye Res.</i> , 1997;65:471-483.
	Ogawa et al. "The ephrin-A1 ligand and its receptor, EphA2, are expressed during tumor neovascularization." <i>Oncogene</i> . 2000;19(52):6043-52.
	Orsulic et al. "Expression of Eph receptors and ephrins is differentially regulated by E-cadherin." <i>J Cell Sci</i> . 2000;113(Pt 10):1793-802.
	Oslo et al., <i>Remington's Pharmaceutical Science</i> , 16 <sup>th</sup> ed., Mack Publishing Co., 1980.
	Owens et al., "Overexpression of focal adhesion kinase (p125 <sup>FAK</sup> ) in invasive human tumors," <i>Cancer Res.</i> , 1995;55:2752-2755.
	Ozawa et al., "A possible new adhesive site in the cell-adhesion molecule uvomorulin," <i>Mech. Dev.</i> , 1991;33:49-56.
	Paine et al., "Characterization of epithelial phenotypes in mortal and immortal human breast cells," <i>Int. J. Cancer</i> , 1992;50:463-473.
	Pandey et al., "Role of B61, the ligand for the Eck receptor tyrosine kinase, in TNF- $\alpha$ -induced angiogenesis," <i>Science</i> , 1995; 269:567-569.
	Parsons, "Integrin-mediated signaling: regulation by protein tyrosine kinases and small GTP-binding proteins," <i>Curr. Opin. Cell Biol.</i> , 1996;8:146-152.
	Patarca "Protein Phosphorylation and Dephosphorylation in Physiologic and Oncologic Processes", <i>Critical Reviews<sup>TM</sup> in Oncogenesis</i> , 1996;7:343-432.

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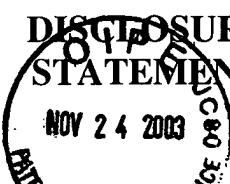
Examiner Initials	Document Description
	Potla et al. "Reduced expression of EphrinA1 (EFNA1) inhibits three-dimensional growth of HT29 colon carcinoma cells." <i>Cancer Lett.</i> 2002;175(2):187-95.
	Pratt et al. "Activation of the EphA2 tyrosine kinase stimulates the MAP/ERK kinase signaling cascade" <i>Oncogene.</i> 2002;21(50):7690-9.
	Presta "Antibody engineering" <i>Current Op. Struct. Biol.</i> 1992;2:593-596.
	R&D Systems, "Recombinant Mouse Ephrin-A1/Fc Chimera" Catalog Number: 602-A1. April 30, 2002.
	Rajarthnam et al., "H NMR Studies of Interleukin 8 Analogs: Characterization of the Domains Essential for Functions," <i>Biochemistry</i> , 1994; 33:6623-30.
	Riechmann et al., "Reshaping human antibodies for therapy," <i>Nature</i> , 1988; 332:323-327.
	Rudikoff et al. "Single amino acid substitution altering antigen-binding specificity." <i>Proc Natl Acad Sci U S A.</i> 1982;79(6):1979-83.
	Ruiz et al. "The expression of the receptor-protein tyrosine kinase gene, eck, is highly restricted during early mouse development." <i>Mech Dev.</i> 1994;46(2):87-100.
	Schnolzer et al., "Constructing Proteins by Dovetailing Unprotected Synthetic Peptides: Backbone-Engineered HIV Protease," <i>Science</i> , 1992;256:221-225.
	Sims et al. "A Humanized CD18 Antibody Can Block Function without Cell Destruction" <i>J. Immunol.</i> 1993;151:2296.
	Sliwkowski et al., "Nonclinical Studies Addressing the Mechanism of Action of Trastuzumab (Herceptin)" <i>Seminars in Oncology</i> , 1999; 26:60-70.
	Smith et al. "Cardiac Glycoside-Specific Antibodies in the Treatment of Digitalis Intoxication" <i>Antibodies in Human Diagnosis and Therapy</i> 1977:365-389.
	Southern et al., "Transformation of mammalian cells to antibiotic resistance with a bacterial gene under control of the SV40 early region promoter," <i>J. Mol. Appl. Genet.</i> , 1982;1:327-341.
	Stearns et al., "Human xenograft models for prostate cancer," <i>The Prostate</i> , 1998; 36:56-58.

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	Stein et al. "Eph receptors discriminate specific ligand oligomers to determine alternative signaling complexes, attachment, and assembly responses." <i>Genes Dev.</i> 1998 Mar 1;12(5):667-78.
	Stein et al. "Nck recruitment to Eh receptor, EphB1/ELK couples ligand activation to c-JUN kinase, <i>J. Biol. Chem.</i> 1998;273:1303-1308.
	Studer et al. "Genetic interactions between Hoxa1 and Hoxb1 reveal new roles in regulation of early hindbrain patterning." <i>Development.</i> 1998;125(6):1025-36.
	Straume et al. "Importance of vascular phenotype by basic fibroblast growth factor, and influence of the angiogenic factors basic fibroblast growth factor/fibroblast growth factor receptor-1 and ephrin-A1/EphA2 on melanoma progression." <i>Am J Pathol.</i> 2002;160(3):1009-19.
	Sulman et al. "ECK, a human EPH-related gene, maps to 1p36.1, a common region of alteration in human cancers." <i>Genomics</i> 1997;40(2):371-4.
	Verhoeven et al., "Reshaping Human Antibodies: Grafting an Antilysozyme Activity," <i>Science</i> , 1988;239:1534-1536.
	Vestweber et al., "Identification of a putative cell adhesion domain of uvomorulin," <i>EMBO J.</i> , 1985;4:3393-3398.
	Vestweber et al., "Rabbit antiserum against a purified surface glycoprotein decompacts mouse preimplanted embryos and reacts with specific adult tissues," <i>Exp. Cell Res.</i> , 1984;152:169-178.
	Vestweber et al., "Some structural and functional aspects of the cell adhesion molecule uvomorulin," <i>Cell Differ.</i> , 1984;15:269-273.
	Vignali et al., "Interactions of CD4 with MHC class II molecules, T cell receptors and p56lck," <i>Phil. Trans. Royal Soc. London</i> , 1993; 342:13-24.
	Walker-Daniels et al. "c-Cbl-Dependent EphA2 Protein Degradation Is Induced by Ligand Binding" <i>Mol Cancer Res.</i> 2002 1(1):79-87.
	Walker-Daniels et al., "The Mechanism of EphA2 Protein Degradation: Implications of Increased EphA2 Protein Levels in Metastatic Cancer Cells," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> , 2001;42:840.

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	Wang et al. "Negative regulation of EphA2 receptor by Cbl." <i>Biochem Biophys Res Commun.</i> 2002;296(1):214-20.
	Wendling et al. "Retinoid signaling is essential for patterning the endoderm of the third and fourth pharyngeal arches." <i>Development.</i> 2000;127(8):1553-62.
	Zantek, "Regulation of EphA2 and Focal Adhesion Kinase in Breast Cancer," Ph.D. thesis, Purdue University; 136 pages. cover date May 1999.
	Zantek et al. "MCF-10A-NeoST: A New Cell System for Studying Cell-ECM and Cell-Cell Interactions in Breast Cancer" <i>Clinical Cancer Research</i> 2001;7:3640-3648.
	Zelinski et al. "Estrogen and Myc Negatively Regulate Expression of the EphA2 Tyrosine Kinase" <i>Journal of Cellular Biology</i> 2002;85:714-720.
	Zhang et al., "Relative malignant potential of human breast carcinoma cell lines established from pleural effusions and a brain metastasis," <i>Invasion Metastasis</i> , 1991; 11:204-215.
	Zhong et al., "Rho-stimulated contractility contributes to the fibroblastic phenotype of ras-transformed epithelial cells," <i>Mol. Biol. Cell.</i> , 1997; 8:2329-2344.
	Zisch et al., "Complex formation between EphB2 and Src requires phosphorylation of tyrosine 611 in the EphB2 juxtamembrane region," <i>Oncogene</i> , 1998;16:2657-2670.
	Zoller et al., "Oligonucleotide-directed mutagenesis using M13-derived vectors: an efficient and general procedure for the production of point mutations in any fragment of DNA," <i>Nucl. Acids Res.</i> , 1982; 10:6487-6500.

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